

**WHAT IS CLAIMED IS:**

1. A real time traffic condition reporting system comprising:
  - a global positioning unit adapted to compute the information of the current geometric location of the real time traffic condition reporting system;
  - 5 a radio transmitting receiving unit adapted to receive the information of multiple geometric locations where traffic conditions occurred, and the information of the corresponding traffic conditions;
  - an output unit; and
- 10 a microprocessor adapted to compare the information of the current geometric location provided by said global positioning unit with the information of the geometric locations of the traffic conditions occurred, so as to select the information of the geometric locations of the traffic conditions occurred and the corresponding information of traffic conditions subject to a predetermined condition for output through said output unit.
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2. The real time traffic condition reporting system as claimed in claim 1, wherein said predetermined condition means a selected road.
3. The real time traffic condition reporting system as claimed in 20 claim 1, wherein said predetermined condition means a selected geometric zone.
4. The real time traffic condition reporting system as claimed in claim 1, wherein the information of multiple geometric locations to be received by said radio transmitting receiving unit means codes of the 25 geometric locations where traffic conditions occurred.

5. The real time traffic condition reporting system as claimed in  
claim 1 further comprising memory means adapted to store the  
information of geometric locations of traffic conditions occurred and the  
information of the corresponding traffic conditions.

5       6. The real time traffic condition reporting system as claimed in  
claim 1 further comprising an electronic map database adapted to store  
electronic maps for fetching by said microprocessor for further output  
through said output unit with the selected information of the geometric  
locations of the traffic conditions occurred and the corresponding  
10 information of traffic conditions.

7. The real time traffic condition reporting system as claimed in  
claim 1, wherein said global positioning unit is a GPS (Global  
Positioning System).

8. The real time traffic condition reporting system as claimed in  
15 claim 1, wherein the information of multiple geometric locations where  
traffic conditions occurred and the information of the corresponding  
traffic conditions to be received by said radio transmitting receiving unit  
is provided by a traffic condition control center by radio broadcasting.

9. The real time traffic condition reporting system as claimed in  
20 claim 1, wherein said radio transmitting receiving unit is a pager.

10. The real time traffic condition reporting system as claimed in  
claim 1, wherein said output unit is a display.